

certain impedance. Such a probe may be useful when the engagement surface is large. A thermally conductive, but electrically insulative, layer is disposed intermediate the core resistive material and a conductive (electrode) layer. The conductive layer is coupled in series with the resistive material to the remote voltage source. The variably resistive matrix is disposed between the engagement plane and the conductive (electrode) layer—as described in any of the Types

5 "A" to "G" embodiments.

Those skilled in the art will appreciate that the exemplary systems, combinations and descriptions are merely illustrative of the invention as a whole, and that variations of components, dimensions, and compositions described above may be made within the spirit and scope of the invention. Specific characteristics and features of the invention and its method are described in relation to some figures and not in others, and this is for convenience only. While the principles of the invention have been made clear in the exemplary descriptions and combinations, it will be obvious to those skilled in the art that modifications may be utilized in the practice of the invention, and otherwise, which are particularly adapted to specific environments and operative requirements without departing from the principles of the invention. The appended claims are intended to cover and embrace any and all such modifications, with the limits only of the true purview, spirit and scope of the invention.